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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/725,618	11/29/2000	Ikuo Takekawa	1924.64869	9519

24978 7590 12/24/2003

GREER, BURNS & CRAIN
300 S WACKER DR.
25TH FLOOR
CHICAGO, IL 60606

EXAMINER

NGUYEN, SIMON

ART UNIT	PAPER NUMBER
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2685

DATE MAILED: 12/24/2003

6

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/725,618

Applicant(s)

TAKEKAWA ET AL.

Examiner

SIMON D NGUYEN

Art Unit

2685

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 29 November 2000.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-8 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-8 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 29 November 2000 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. §§ 119 and 120

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
- 1) ☒ Certified copies of the priority documents have been received.
 - 2) ☐ Certified copies of the priority documents have been received in Application No. _____.
 - 3) ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
- a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

2. Claims 1-8 are rejected under 35 U.S.C. 102(a) as being anticipated by Kaku (5,987,334).

Regarding claim 1, Kadu discloses communication controller which selects one out of a plurality of radio communication lines and performs communication using the selected line, said communication controller comprising (abstract, figs. 1-3): a plurality of connection units (Ni...Ni), wherein one connection unit is connected to each one of said radio communication lines (fig.1-3); a radio-field-intensity acquisition unit (monitoring unit) which acquires a radio field intensity of each of said radio communication lines (column 3 lines 1-3, 40-67, column 4 lines 1-5); a selection unit which selects one of said connection units whose radio field intensity is equal to or higher than a threshold; and a control unit which provides a control to perform data communication using said connection unit selected by the selection unit and said radio communication line corresponding to said selected connection unit (column 4 lines 6-22).

Art Unit: 2685

Regarding claim 2, Kaku further discloses a mounted-state monitoring unit which monitors the mounted state of said connection units, wherein, based on the result of monitoring the mounted state of said connection units by said mounted-state monitoring unit, said control unit connects said selected connection unit to said radio communication line corresponding to said selected connection unit only when said selected connection unit is mounted (column 4 lines 6-22).

Regarding claim 3. Kaku further discloses wherein if data communication is established using one connection unit and corresponding radio communication line and if there is an interruption in this data communication, then said control unit connects other connection unit and corresponding radio communication line and resumes the interrupted data communication (column 4 lines 15-22, 64-67).

Regarding claim 4, Kaku further discloses wherein if data communication is established with one communication counterpart terminal and if there is an interruption in this data communication, then said control unit performs data communication with other communication counterpart terminal (column 4 lines 6-22, 52-67).

Regarding claims 5-8, these claims are rejected for the same reason as set forth in claims 1-4, respectively, wherein a computer readable recording medium having a control program to be used for selecting, controlling multi-lines is inherently in the system.

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Bell (6,445,921) discloses a dual mode handset connected to a remote telephone via a cellular network or a cordless base station (fig.1), and if a call is detected to interrupt via a cellular network line, the call will automatically connect to a cordless base station line to reach the remote telephone to continue the call (figs.1, 3-5).

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Simon Nguyen whose telephone number is (703) 308-1116. The examiner can normally be reached on Monday-Friday from 7:00 AM to 4:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward F. Urban, can be reached on (703) 305-4385.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 306-0377.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

Or faxed to:

Application/Control Number: 09/725,618

Page 5

Art Unit: 2685

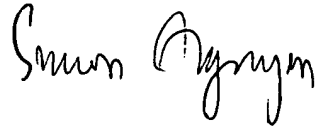
(703) 872-9314, (for formal communications intended for entry)

Hand-delivered response should be brought to Crystal Park II,

2121 Crystal Drive, Arlington, VA, Sixth Floor (Receptionist).

Simon Nguyen

December 16, 2003

A handwritten signature in black ink, appearing to read "Simon Nguyen". The signature is written in a cursive, flowing style.